

University of Washington

Standard Operating Procedures for Chemicals or Processes		
#1 Process (if applicable)	pH buffer 4 is primarily used for the calibration of the YSI EXO2 Multiparameter Water Quality Sonde (or “exosonde”)	
#2 Chemicals and Hazards	pH buffer 4 (color-coded red) Not hazardous. However, thermal decomposition can lead to the release of irritating gases and vapors.	
#3 Personal Protective Equipment (PPE)	Wear eye and face protection. Wear appropriate gloves and clothing to prevent skin exposure.	
#4 Environmental/Ventilation Controls	Should not be released into the environment (do not dispose down the drain.) Ensure adequate ventilation.	
#5 Special Handling Procedures & Storage Requirements	Wear PPE. Keep containers tightly closed in cool, dry, and well-ventilated environment. Keep product and empty containers away from heat and sources of ignition to avoid thermal decomposition.	
#6 Spill and Accident Procedures	Soak up with inert absorbent material. If eye contact, rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Eye wash station is located in center of wet lab, across from empty gas tanks. If skin contact, wash immediately with plenty of water for at least 15 minutes. Obtain medical attention if symptoms occur. If inhaled, move to fresh air immediately. Do not induce vomiting.	
#7 Waste Disposal	Dispose of contents in non-halogenated waste container, located in wet lab fume hood.	
#8 Special Precautions for Animal Use (if applicable)	*	
Particularly hazardous substance involved?	<input type="checkbox"/> YES:	Blocks #9 to #11 are Mandatory
	<input checked="" type="checkbox"/> NO:	Blocks #9 to #11 are Optional.
#9 Approval Required	Users must receive specific physical and health hazard information and safe laboratory work practices training from their supervisor.	
#10 Decontamination	Wash face, hands, and any exposed skin thoroughly after handling. If contact with skin, wash off immediately with plenty of water for at least 15 minutes. If inhaled, move to fresh air and, if symptoms persist, obtain medical attention.	
#11 Designated Area	HEEL wet lab, room 232.	
Name:	Title:	
Signature:	Date:	